

# Converting Colors

$Yxy(74.4792, 0.3070, 0.3142)$

Have a look what the booklet for  
Yxy(74.4792, 0.3070, 0.3142)  
contains.

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# Color

**Yxy(74.6296, 0.3071, 0.3142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3DEEC
RGB	227, 222, 236
RGB Percent	89%, 87%, 93%
CMY	0.1098, 0.1294, 0.0743
CMYK	0.04, 0.06, 0.00, 0.07
HSL	261°, 27%, 90%
HSV	261°, 6%, 93%
XYZ	72.9432, 74.6296, 89.9498
YIQ	225.0910, -1.5140, 5.4140

# Conversions

## Conversions Part 2

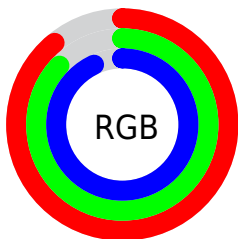
Format	Color
RYP	227, 222, 236
Decimal	14933740
CIE Lab	89.22, 4.24, -6.25
CIE LCh	89, 7.555, 304.179
Yxy	74.6296, 0.3071, 0.3142
Android (android.graphics.Color)	4293123820 (0xFFE3DEEC)
YUV	225.0910, 5.3781, 1.6742
Hunter-Lab	86.3884, -0.4609, -1.2623

# Details

The Yxy color **74.6296, 0.3071, 0.3142** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.2883, 0.3181, 0.3437**, and the grayscale version is **75.3281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.7034, 0.3063, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **60.5935, 0.2964, 0.2873**, and if you desaturate by 10%, it is **90.6460, 0.3162, 0.3386**.

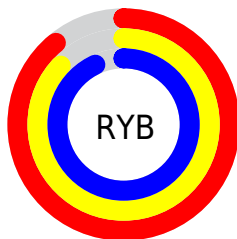
# Distribution



Red (89%)

Green (87%)

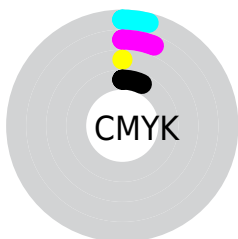
Blue (93%)



Red (89%)

Yellow (87%)

Blue (93%)

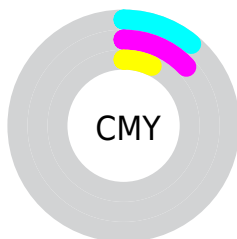


Cyan (4%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (11%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6296, 0.3071, 0.3142 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 74.6296, 0.3071, 0.3142 by changing the saturation by 10% instead.



■ 74.6296, 0.3071,  
0.3142

■ 74.6296, 0.3071,  
0.3142

476.6435, 0.3097,  
0.3210

■ 55.3095, 0.3065,  
0.3127

125.7879, 0.3080,  
0.3165

■ 39.6496, 0.3058,  
0.3108

158.3949, 0.3084,  
0.3174

■ 27.2654, 0.3048,  
0.3084

196.1996, 0.3087,  
0.3182

■ 17.7727, 0.3036,  
0.3054

239.5865, 0.3089,  
0.3189

■ 10.7869, 0.3019,  
0.3012

288.9400, 0.3092,  
0.3195

■ 5.9237, 0.2994,  
0.2953

344.6444, 0.3094,

■ 2.7988, 0.2956,

0.3201

0.2863

407.0841, 0.3095,  
0.3205

■ 1.0276, 0.2885,  
0.2706

■ 0.0000, 0.0589,  
0.0000

■ 74.6296, 0.3071,  
0.3142

■ 74.6296, 0.3071,  
0.3142

■ 60.5935, 0.2964,  
0.2873

■ 90.6460, 0.3162,  
0.3386

■ 48.4501, 0.2842,  
0.2581

■ 98.8387, 0.3238,  
0.3473

■ 38.1190, 0.2704,  
0.2271

■ 29.5104, 0.2552,  
0.1953

■ 22.5269, 0.2391,  
0.1640

■ 17.0607, 0.2227,  
0.1350

■ 12.9904, 0.2069,  
0.1101

■ 10.1755, 0.1925,  
0.0909

■ 8.4428, 0.1805,  
0.0782

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6296, 0.2996, 0.3141



74.6296, 0.3071, 0.3142



74.6296, 0.3162, 0.3182

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6296, 0.3071, 0.3142



74.6296, 0.3301, 0.3399



74.6296, 0.3010, 0.3330

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



74.6296, 0.3071, 0.3142



82.2883, 0.3181, 0.3437

# Split Complementary

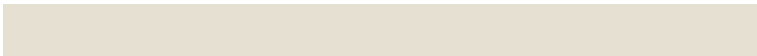
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6296, 0.3091, 0.3403



74.6296, 0.3071, 0.3142



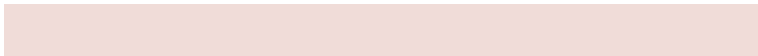
74.6296, 0.3259, 0.3441

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6296, 0.3071, 0.3142



74.6296, 0.3296, 0.3328



74.6296, 0.3182, 0.3443



74.6296, 0.2961, 0.3248



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.6296, 0.3071, 0.3142



74.6296, 0.3220, 0.3225



74.6296, 0.3182, 0.3443



74.6296, 0.3034, 0.3357

# Sweetspot

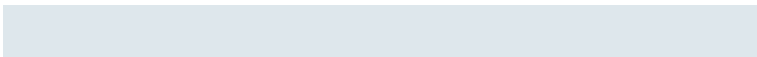
The Sweet Spot groups the original color and five complimentary colors.



74.6328, 0.3071, 0.3142



96.1709, 0.3109, 0.3241



78.8133, 0.3035, 0.3238



20.6247, 0.3110, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6328, 0.3071, 0.3142



87.0180, 0.3060, 0.3114



75.7849, 0.3119, 0.3144



15.3947, 0.3055, 0.3100



4.4399, 0.1778, 0.0753



0.4009, 0.1931, 0.0837



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.8573, 0.3167, 0.3196



88.7334, 0.3174, 0.3179



81.1552, 0.3134, 0.3439



15.7242, 0.3178, 0.3170



11.1072, 0.4358, 0.2175

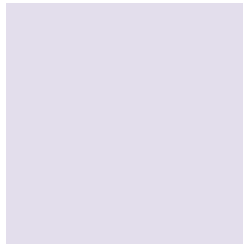


0.8904, 0.4157, 0.2064



# Previews

## White Background



This preview shows how the Yxy color 74.6296, 0.3071, 0.3142 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

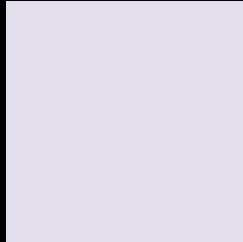
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6296, 0.3071, 0.3142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

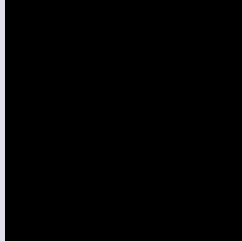
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

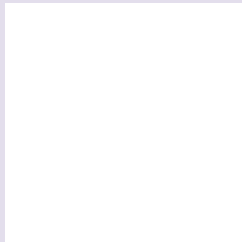
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6296, 0.3071, 0.3142**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6296, 0.3071, 0.3142.

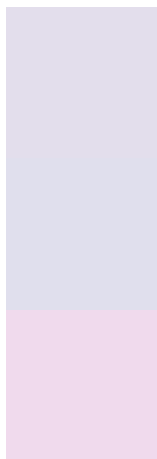


This preview shows how white text looks on a background with the Yxy color 74.6296, 0.3071, 0.3142.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

74.6296, 0.3071, 0.3142

### Protanopia

74.7371, 0.3044, 0.3142

### Deuteranopia

74.7825, 0.3158, 0.3095



## Tritanopia

74.8054, 0.3052, 0.3111

# Trichromacy



## Original Color

74.6296, 0.3071, 0.3142

## Protanomaly

74.8973, 0.3051, 0.3142

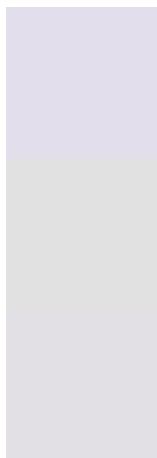
## Deuteranomaly

74.4396, 0.3122, 0.3103

## Tritanomaly

74.7465, 0.3059, 0.3122

# Monochromacy



## Original Color

74.6296, 0.3071, 0.3142

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.1372, 0.3109, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6296, 0.3071, 0.3142 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 222, 236)` looks like.

```
.text, #text, p{  
    color:rgb(227, 222, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 222, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 222, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6296, 0.3071, 0.3142 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 222, 236) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 222, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 222, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 222, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 222, 236);  
box-shadow:4px 4px 4px 4px rgb(227, 222,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6296, 0.3071, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 222, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
222, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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